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## Robotic Pathology

Telepathology is the practice of digitizing histologic or macroscopic images for transmission along telecommunication pathways for diagnosis, consultation or continuing medical education.

Using the commercial off-the-shelf MedMicroscopy System by the Trestle Corporation, the U.S. Army has implemented Telepathology at 20 medical treatment facilities.

The basic system is comprised of a robotic microscope mounted with a CCD camera, image grabber, desktop computer running the a Windows operating system and an Internet connection between sending and receiving sites with a workstation at the receiving site equipped with a high quality monitor to view images.

The system operates across an Internet link that is strictly controlled through via specific Internet Protocol (IP) addressing and firewall management.

Telepathology facilitates integrated health care delivery in the TRICARE region by providing efficient, accessible, and cost-effective specialty-level evaluation, diagnosis, research, education, and information for military patients and health care providers.

For more information on this application please contact the NARMC Telemedicine Directorate at [NARMC.Telemedicine@na.amedd.army.mil](mailto:NARMC.Telemedicine@na.amedd.army.mil) or the Project Manager at (202) 356-1012 extension 27918.